

# Weekly Report

2015/12/21-2015/12/27

## 1 Done

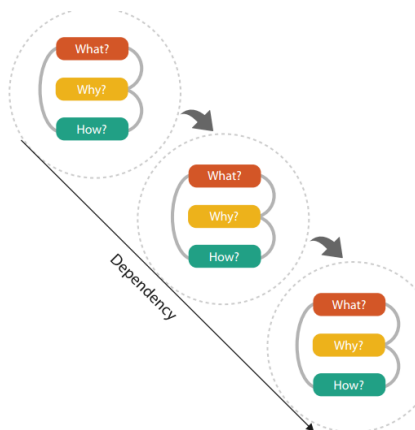
### 1.1 Project:

1.1.1 Understand Xia Jing's idea about spatio-temporal hash.

1.1.2 Start to learn how to code with Java.

### 1.2 Reading(something about pipeline):

#### 1.2.1 Tamara's book



what-why-how → data-task-idiom

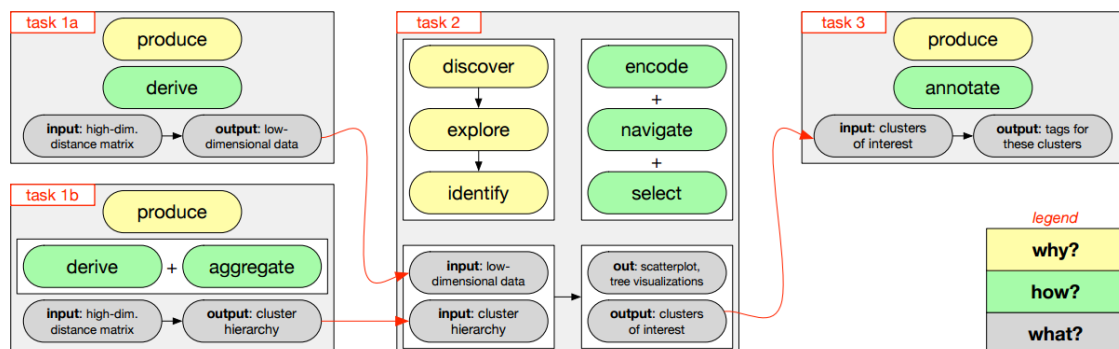
**what** data the user sees

**why** the user intends to use a vis tool

**how** the visual encoding and interaction idioms are constructed in terms of design choices

Analyzing vis usage as chained sequences of instances, where the output of one instance is the input to another.

#### 1.2.2 Multi-Level Typology of Abstract Visualization Tasks



**why**: consume(present, discover and enjoy), produce and search(lookup, locate, browse and explore)

**how**: methods, which contains encoding, manipulating(select, navigate, arrange, change, filter and aggregate), introducing(annotate, import, derive and record)

**what**: input and output

## 2 To do

2.1 Learn java and process data for later use.

2.2 Do the tasks about Global network visualization project.

2.3 Keep on reading papers about pipeline and write outline as soon as possible.